CHECK VALVE

Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 150, 2”~66”

MODEL: KRD-DPC

» Features

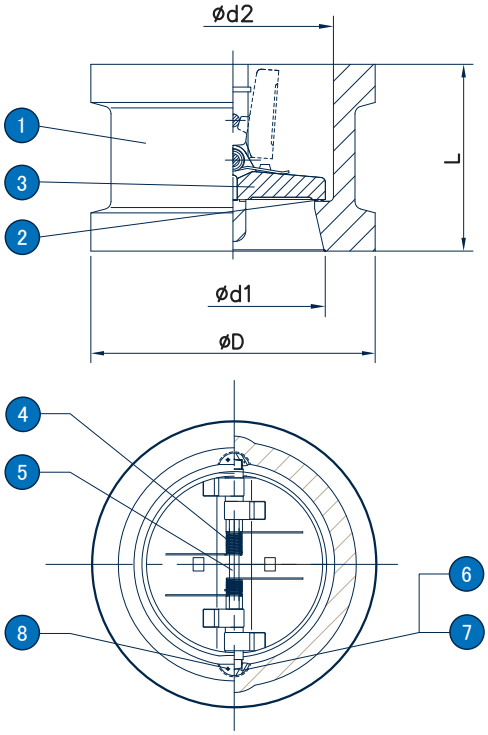
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range

Metal seat：-29°C to 450°C

» Standards

- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2	Weight kg
IN	DN					
2"	50	103	60	51	58	2.5
2½"	65	122	67	65	73	3
3"	80	135	73	80	88	4
4"	100	173	73	102	108	6
5"	125	195	86	127	132	8
6"	150	220	98	152	160	13
8"	200	277	127	203	210	25
10"	250	337	146	254	266	39
12"	300	407	181	305	310	54
14"	350	448	184	350	355	80
16"	400	512	191	400	405	117
18"	450	547	203	450	455	138
20"	500	604	219	500	505	163
24"	600	715	222	600	605	331

ASME B16.47B Dimensions (mm):

SIZE		ASME B16.47 B					ASME B16.47 A				
IN	DN	D	L	d1	d2	Weight kg	D	L	d1	d2	Weight kg
26"	650	722	222	630	650	360	770	222	633	650	380
28"	700	773	305	700	700	380	827	305	700	700	400
30"	750	824	305	746	750	425	878	305	746	750	440
32"	800	878	305	796	800	560	935	305	796	800	580
36"	900	983	368	898	903	640	1045	368	874	894	660
40"	1000	1090	432	976	985	870	1158	432	976	985	890
42"	1050	1142	432	1050	1055	960	1213	432	1050	1055	980
44"	1100	1193	432	1070	1070	1150	1274	432	1070	1070	1170
48"	1200	1302	524	1200	1205	1400	1380	524	1166	1205	1450
54"	1350	1460	591	1312	1315	2245	1545	591	1312	1315	2300
56"	1400	1512	591	1360	1370	2830	1602	591	1360	1370	2850
60"	1500	1628	660	1458	1470	3200	1710	660	1458	1470	3225
66"	1650	1881	787	1630	1663	5345	-	-	-	-	-

CHECK VALVE

Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 300, 2”~60”

MODEL: KRD-DPC

» Features

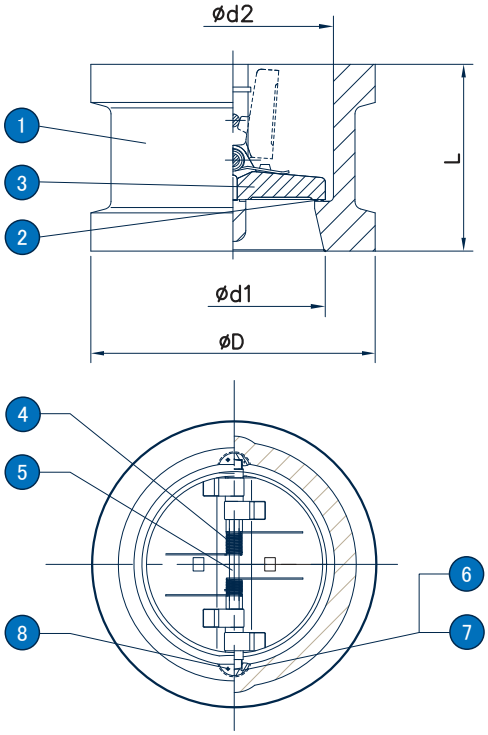
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range

Metal seat：-29°C to 450°C

» Standards

- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2	Weight kg
IN	DN					
2"	50	110	60	51	58	3
2½"	65	128	67	65	73	4
3"	80	147	73	80	88	6
4"	100	179	73	102	108	8
5"	125	214	86	127	132	15
6"	150	249	98	152	160	18
8"	200	305	127	203	210	31
10"	250	359	146	254	266	51
12"	300	420	181	305	310	77
14"	350	483	222	350	355	117
16"	400	537	232	400	405	190
18"	450	594	264	450	455	200
20"	500	652	292	500	505	265
24"	600	772	318	600	608	410

ASME B16.47B Dimensions (mm):

SIZE		ASME B16.47 B					ASME B16.47 A				
IN	DN	D	L	d1	d2	Weight kg	D	L	d1	d2	Weight kg
26"	650	767	356	633	640	565	831	356	633	640	580
28"	700	821	368	685	685	585	895	368	685	685	600
30"	750	882	368	735	740	660	949	368	735	740	680
32"	800	936	368	784	784	970	1003	368	784	784	990
36"	900	1044	483	873	880	1020	1113	483	873	880	1050
40"	1000	1146	546	976	985	1420	1110	546	976	985	1400
42"	1050	1196	568	1035	1045	1540	1161	568	1035	1045	1520
48"	1200	1365	629	1166	1190	2260	1320	629	1166	1190	2250
54"	1350	1526	718	1312	1315	3102	1489	718	1312	1315	3080
60"	1500	1704	838	1458	1470	4315	1642	838	1458	1470	4300

CHECK VALVE

Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 600, 2”~48”

MODEL: KRD-DPC

» Features

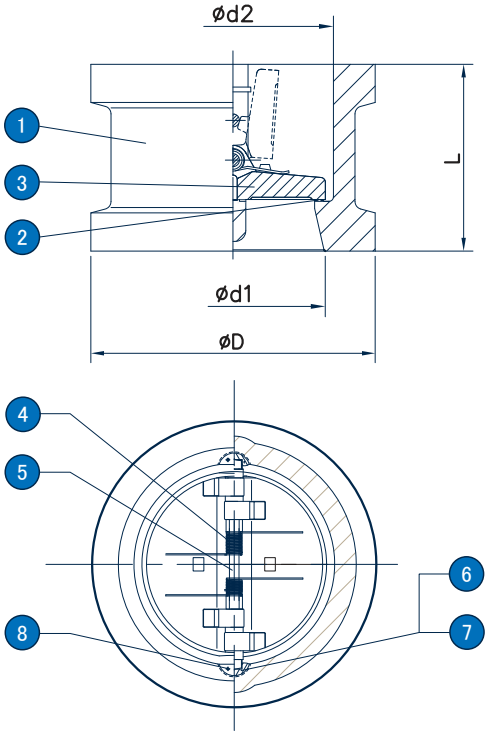
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range

Metal seat：-29°C to 450°C

» Standards

- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2	Weight kg
IN	DN					
2"	50	110	60	51	58	4
2½"	65	128	67	65	73	5
3"	80	147	73	80	88	8
4"	100	191	79	102	108	11
5"	125	239	105	127	136	20
6"	150	264	136	152	162	26
8"	200	318	165	200	212	55
10"	250	398	213	250	266	95
12"	300	455	229	305	312	140
14"	350	490	273	337	355	223
16"	400	562	305	387	400	360
18"	450	610	362	438	450	395
20"	500	680	368	489	500	520
24"	600	786	438	591	600	836

ASME B16.47B Dimensions (mm):

SIZE		ASME B16.47 B					ASME B16.47 A				
IN	DN	D	L	d1	d2	Weight kg	D	L	d1	d2	Weight kg
26"	650	761	457	633	640	950	863	457	633	640	980
28"	700	815	483	684	690	1215	910	483	684	690	1250
30"	750	875	505	735	740	1378	967	505	735	740	1420
32"	800	928	533	779	784	1643	1020	533	779	784	1700
36"	900	1045	635	874	880	2120	1126	635	874	880	2200
40"	1000	-	-	-	-	-	1153	660	976	985	2650
42"	1050	-	-	-	-	-	1215	702	1020	1030	3135
48"	1200	-	-	-	-	-	1386	787	1166	1170	3755

CHECK VALVE

Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 900, 2”~48”

MODEL: KRD-DPC

» Features

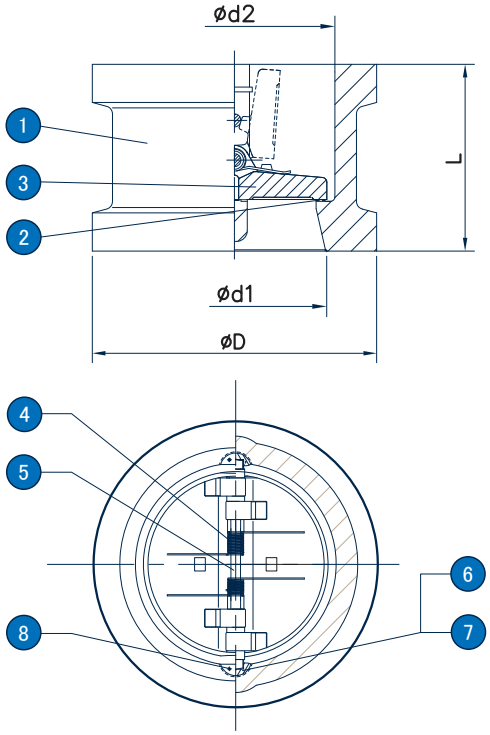
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range

Metal seat：-29°C to 450°C

» Standards

- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2
IN	DN				
2"	50	140	70	51	58
2½"	65	162	83	65	73
3"	80	165	83	80	90
4"	100	204	102	102	108
5"	125	245	110	127	136
6"	150	286	159	150	162
8"	200	356	206	200	212
10"	250	432	241	250	266
12"	300	495	292	305	312
14"	350	518	356	337	355
16"	400	572	384	387	400
18"	450	635	451	438	450
20"	500	695	451	487	496
24"	600	835	495	591	600

ASME B16.47B Dimensions (mm):

SIZE		ASME B16.47 B					ASME B16.47 A			
IN	DN	D	L	d1	d2	Weight kg	D	L	d1	d2
26"	650	835	533	617	630	879	533	617	630	58
28"	700	898	572	665	680	943	572	665	680	73
30"	750	955	635	712	735	1006	635	712	735	88
32"	800	1012	660	760	784	1070	660	760	784	108
36"	900	1120	718	855	865	1195	718	855	865	132
40"	1000	-	-	-	-	1246	762	950	965	160
42"	1050	-	-	-	-	1296	787	995	1015	210
48"	1200	-	-	-	-	1483	851	1140	1160	266

CHECK VALVE

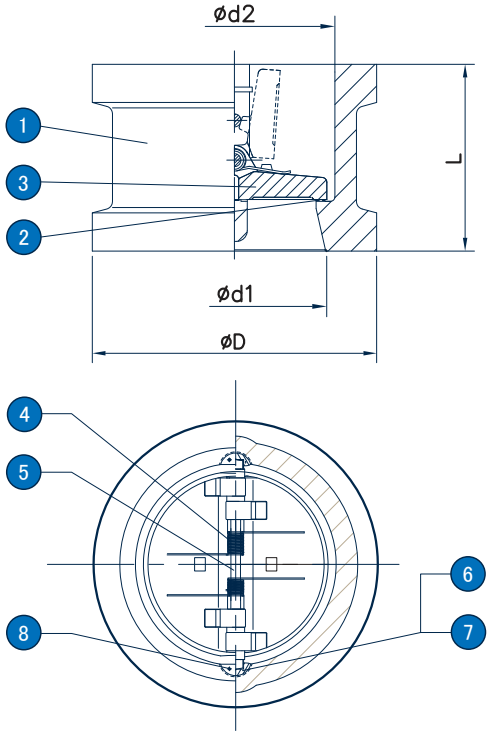
Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 1500, 2”~24”

MODEL: KRD-DPC

» Features
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range
Metal seat：-29°C to 450°C

» Standards
- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2
IN	DN				
2"	50	140	70	51	58
2½"	65	162	83	65	73
3"	80	172	83	80	90
4"	100	207	102	102	108
5"	125	252	110	127	136
6"	150	280	159	150	162
8"	200	350	206	200	212
10"	250	433	248	254	266
12"	300	518	305	305	312
14"	350	576	356	337	355
16"	400	639	384	387	400
18"	450	701	468	430	438
20"	500	753	533	478	487
24"	600	897	559	570	578

CHECK VALVE

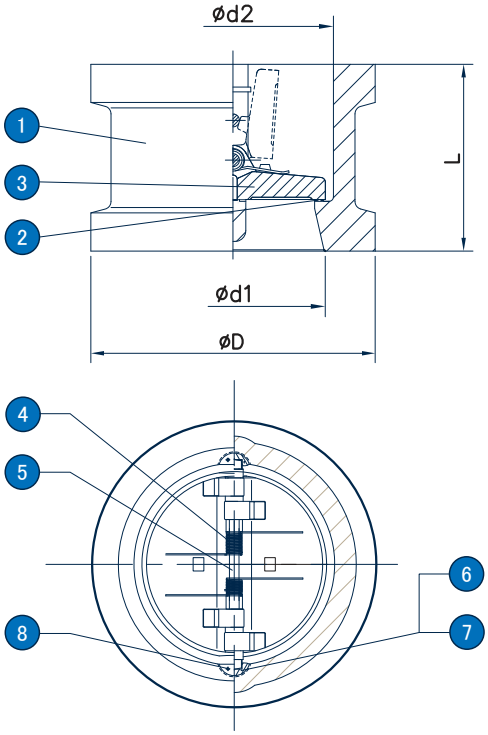
Cast Steel Dual-Plate Wafer Type Swing Check Valve
CLASS 2500, 2”~12”

MODEL: KRD-DPC

» Features
- Cast steel body construction providing liberal strength to meet most conditions
- A choice of metal-to-metal or soft sealing
- Full range of pressure class and sizes
- Variety of body and disc materials
- Savings in price and installation cost compared to coventional check valves

» Temperature Range
Metal seat：-29°C to 450°C

» Standards
- Basic design to API 594
- Face-to-Face acc. to API 594
- Flange Dimensions acc. to ASME B16.5
- Inspection & test according to API 598



Materials List:

NO	PART NAME	MATERIAL
1	BODY	CF8M / WCB / CF8 / CF3
2	SEALING	VITON / BUNA-N / CF8M / CF8 CF3 / EPDM / 13Cr / STL
3	DISC	CF8M / WCB / CF8 / CF3
4	SPRING	INCONEL-X750
5	HINGE PIN	F316 / F304 / F304L
6	SPLIT RING	F316 / F304 / F304L
7	SPLIT POSITIONING BLOCK	F316 / F304 / F304L
8	POSITIONING SCREW	F316 / F304 / F304L / 1035

ASME B16.5 Dimensions (mm):

SIZE		D	L	d1	d2
IN	DN				
2"	50	143	70	42	48
2½"	65	166	83	52	58
3"	80	194	86	62	68
4"	100	232	105	88	94
5"	125	277	110	100	106
6"	150	315	159	150	162
8"	200	385	206	180	186
10"	250	474	254	225	232
12"	300	547	305	266	272

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

Certified acc. to DIN EN ISO 9001:2015 Subject to technical alterations.
KLINGER Industrial Products India Pvt. Ltd. #6 Tarana, 1st Floor, GoodEarth Malhar, Kambipura, Kengeri, Bengaluru 560074, Karnataka, India. Tel +91 8618523021 / +91 80 2990 9572 / e-mail: info@klinger.in